

[DRIVING CIRCUIT AND METHOD OF DRIVING DISPLAY DEVICE]

Abstract of Disclosure

A driving circuit and a method of driving a display device are provided. The driving circuit is incorporated into the original driving circuit of a conventional display device. A discharging unit is added to the driving unit that drives each light-emitting device. The discharging unit is connected to the next scan line. As the driving circuit switches the scan lines one by one, the newly added discharging unit discharges the light-emitting device as soon as the next scan line is switched on. Discharging the light-emitting device prevents the accumulation of charges that may lead to material deterioration as well as an increase in electrical resistance. Furthermore, the drain terminal of the discharging unit may be connected to a ground or a negative voltage terminal. If the drain terminal is connected to a negative voltage terminal, discharging rate may increase further leading to higher performance and a longer working life for the light-emitting device.

Figures